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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/751,261

01/02/2004

Yung-Chi Wen

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21552

7590

09/22/2006

MADSON & AUSTIN
GATEWAY TOWER WEST
SUITE 900
15 WEST SOUTH TEMPLE
SALT LAKE CITY, UT 84101

EXAMINER

PATEL, NITIN

ART UNIT

PAPER NUMBER

2629

DATE MAILED: 09/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/751,261

Applicant(s)

WEN, YUNG-CHI

Examiner

Nitin Patel

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2629

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-16 is rejected under 35 U.S.C. 102(e) as being anticipated by Lyons (U.S. Patent No. 6,628,243).

As per claim 1, A multi-screen driving device (in fig.8) for use in an electrical appliance, comprising: a control unit (element 140 in fig.2 and in fig.1 element 18) for outputting a plurality of display data comprising first display data and second display data, and asserting a set of control signals (in fig.2 element 140); an application specific integrated circuit in communication with said control unit for distinguishing said plurality of display data as said first or said second display data in response to said set of control signals(in col.5 lines 35-67); and a first and a second screens both in communication with said application specific integrated circuit for displaying said first and said second display data, respectively(in col.7 lines 45 to col.8 lines 45-67).

As per claim 2, Lyons shows application specific integrated circuit outputs said first and said second display data to said first and said second screen, respectively, according to a time-division multiplexing procedure (in fig.2).

As per claim 3, Lyons also teaches a latch unit electrically connected between

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said control unit and said application specific integrated circuit for latching and then outputting said first and said second display data and said set of control signals to said application specific integrated circuit (in fig.3a and 3b).

As per claim 4, Lyons shows first display data and said second display data are different data (in fig.7a and 7b).

As per claim 5, Lyons shows portion of said first display data and a portion of said second display data are identical data, and simultaneously outputted to both of said first and said second screens (in fig.8).

As per claims 6,7,16 Lyons shows control unit is a central processing unit (CPU) (in fig.1 element 140).

As per claim 8, Lyons shows a dual-screen driving device for use in a cellular phone, comprising: a control unit for outputting a plurality of display data comprising first display data and second display data, and asserting a set of control signals; an application specific integrated circuit in communication with said control unit for distinguishing said plurality of display data as said first or said second display data in response to said set of control signals according to a time-division multiplexing procedure; a latch unit electrically connected between said control unit and said application specific integrated circuit for latching and then outputting said first and said second display data and said set of control signals to said application specific integrated circuit; and a first and a second screens both in communication with said application specific integrated circuit for displaying said first and said second display data, respectively (in fig.1 and 2 and in fig.9 timing division).

As per claim 9, Lyons shows a multi-screen driving (in fig.8) method for use in an electrical appliance having a first and a second screens, said method comprising steps of: receiving a set of control signals and a plurality of display data comprising first display data and second display data to be revealed by said first and said second screens, respectively; and performing a time-division multiplexing procedure to output said first and said second data to said first and said second screens, respectively, in response to said set of control signals (in fig.10a –10 f).

As per claim 10, Lyons shows first and said second display data are outputted by a central processing unit (CPU) in a frame, and said frame has a resolution greater than that of each of said first and said second screens (in fig.2).

As per claim 11, Lyons shows display data and said second display data are different data (In fig.8).

As per claim 12, Lyons shows a portion of said first display data and a portion of said second display data are identical data, and simultaneously outputted to both of said first and said second screens (in fig.10c-10d).

As per claim 13, Lyons shows time-division multiplexing procedure is performed in a single application specific integrated circuit 9in fig.11a and 11b).

As per claim 14, Lyons shows each of said plurality of display data is verified as said first display data or said second display data in response to one of said control signals (in fig.1 and 2).

As per claim 15, Lyons shows set of control signals includes a clock signal to be referred to output said plurality of display data (in fig.11a and 11b).

Conclusion

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 571-272-7677. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H. Shalwala can be reached on 571-272-7681. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Nitin Patel
Examiner
Art Unit 2629

